



- PNP
- Normally open (NO)
- 4.00 mm
- Flush (shielded)
- Cable, PVC, 5.00 m



IND. CONT. EQ
81U2
for use in the secondary of
a class 2 source of supply
Environmental - Type 1 Enclosure



General attributes

Approvals / Conformity

cULus
CE
EAC
IEC 60947-5-2
IP68 according to BWN PR 20
Yes
■ ■
Yes
No
II
Yes
GLOBAL
640 a

Basic standard
Enclosure Type per IEC 60529
Function indicator
Operating distance marking
Polarity reversal protected
Power indicator
Protection Class
Short circuit protected
Trademark
MTTF

Electrical attributes

Connection type
Eff. operating current I_e
Eff. operating voltage U_e DC
Electrical version
Load capacitance max. (at U_e)
Max. no-load cur. I_o undamped
Minimum operating current I_m
No-load current I_o damped max.
Operating voltage U_B max. DC [V]
Operating voltage U_B min. DC [V]
Rated insulation voltage U_i
Rated short circuit current
Ripple max. (% of U_e)
Switching freq. f max. (at U_e)
Switching function

Cable
200 mA
24.0 V
DC, direct current
0.500 µF
3.0 mA
0 mA
6.0 mA
30.0 V
10.0 V
250 VAC
100 A
15 %
1000 Hz
Normally open (NO)

Switching output

Voltage drop static max.

PNP
3.0 V

Mechanical attributes

Ambient temperature T_a max. 70 °C
Ambient temperature T_a min. -25 °C
Assured operating distance S_a 3.20 mm
Cable diameter D max. 4.7 mm
Cable jacket material PVC
Cable length 5.00 m
Conductor cross-section 0.34 mm²
Depth 53.0 mm
Diameter d1 M12x1
Eff. operating distance S_r 4.00 mm
Housing material CuZn
Mech. installation condition Flush (shielded)
Mounting length 50.0 mm
Number of conductors 3
Rated operating distance S_n [mm] 4.00 mm
Sensing face material LCP
Surface protection Nickel-free coating
Tightening torque 10 Nm

Remarks

The sensor is functional again after the overload has been eliminated.

For further information on MTTF/B10d, please refer to the MTTF / B10d Certificate.

Specification of the MTTF value and the B10d value do not represent any binding quality and/or life expectancy guarantees.

